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1986 LP-GAS MARKET FACTS

NATIONAL LP-GAS ASSOCIATION

PRODUCTION/TRANSPORTATION/STORAGE/IMPORT/EXPORT/SALES/EQUIPMENT/UTILIZATION

1986 LP-GAS INDUSTRY MARKET FACTS

DEVELOPED BY STATISTICAL AND MARKET RESEARCH COMMITTEE
NATIONAL LP-GAS ASSOCIATION
Robert B. Nicholson, Chairman

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ABOUT THIS REPORT

The 1986 LP-gas production data in this report are extracted from EIA-0109 "Petroleum Supply Monthly" published by the Energy Information Administration (EIA), U.S. Department of Energy. The information in EIA-0109 is reported to EIA by companies operating natural gas liquids processing plants and petroleum refineries. LP-gas production data for 1985 and prior years was extracted from the respective "Petroleum Supply Annual" reports of EIA.

A project to survey refiners, operators of natural gas processing plants, LP-gas dealers and importers was organized under the joint sponsorship of the American Petroleum Institute, the National LP-Gas Association and the Gas Processors Association. The Project reports a survey of LP-gas users beginning with 1984 sales, using the same process of reporting the survey data used by EIA in the LP-gas sales reports published through 1978.

In 1984, EIA reports of LP-gas sales for 1979-1982 were found to be incomplete. Data for 1979-83 was developed in 1984 utilizing EIA state LP-gas consumption data for the period 1979-82, wholesale deliveries of LP-gas to the respective states as reported in "Petroleum Supply Annual" published by EIA for the years 1979-83, and generally accepted market research techniques.

Distribution

One copy available to each member as a service of the National LP-Gas Association. Additional copies to members $3.00 each. Copies to NLPGA non-members $6.00 each. Order from National LP-Gas Association, 1301 W. 22nd Street, Oak Brook, IL 60521.

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LP-GAS, THE INDUSTRY IN BRIEF

WHAT IS LP-GAS?

The "LP" in LP-gas stands for Liquified Petroleum, and it simply means that the gas is derived from petroleum products and sold in compressed, or liquified form. The makeup of the gas can vary, but the most common forms include propane, butane, and propane/butane mixes. Propane is by far the predominant type of fuel. Liquifying the gas provides a highly efficient and safe method of storing and transporting the product; the fluid occupies a mere 1/270th the space of the gas, which returns to its natural state when released to the atmosphere under normal pressure. Energy content of propane, as measured in British Thermal Units, is about 91,500 BTU per gallon, or about 2,500 per cubic foot.

In the United States, about 70% of LP-gas is extracted from natural gas, while 30% is refined from crude oil. Like natural gas, LP-gas is odorless, and an artificial smell is added. It is also heavier than air, clean-burning, and combustion produces negligible pollutants.

USES OF LP-GAS

This fuel is one of the country's most versatile sources of energy. It is both portable and easy to regulate. Its most common use is as a straight source of heat. It cooks food, warms homes, dries clothes, heats water, and barbecues for homeowners located in suburban, small town, and rural areas. It can also power refrigerators and air conditioners. Portable LP-gas brings city comfort to families everywhere. It can do anything in the wilderness that it can do at home, and LP-gas has long been a major comfort for campers.

LP-gas is also a staple on farms, where it's used for crop drying, flame weeding, tobacco curing, defoliation, poultry and pig brooding, stock tank heating, and frost protection. It also powers trucks, pumps, standby generators, and other farm equipment.

Commercial establishments, such as hotels, motels and restaurants, use LP-gas much like the homeowner. Industry relies on it for brazing, soldering, cutting, heat-treating, annealing, vulcanizing, and many other uses.

As an engine fuel, its minimal emissions allow it to be used indoors, which explains its wide popularity in fork-lift trucks. This same feature makes it a desirable fuel in congested areas, as the many fleets of city buses, taxis and delivery trucks will attest. Gasoline engines convert easily to LP-gas, efficiency improves, and engine life is increased.

THE MARKET

LP-gas ranks fourth in supplying the nation's energy needs. The industry serves over 20 million customers, including homes, farms, individuals, businesses, and government groups. LP-gas is essentially a rural fuel, and roughly 1-1/2 million farms, or about half of them, depend on the fuel for a variety of uses. A rough calculation of the market shows more than 60 million people dependent on LP-gas for one use or another.

THE INDUSTRY'S ASSETS

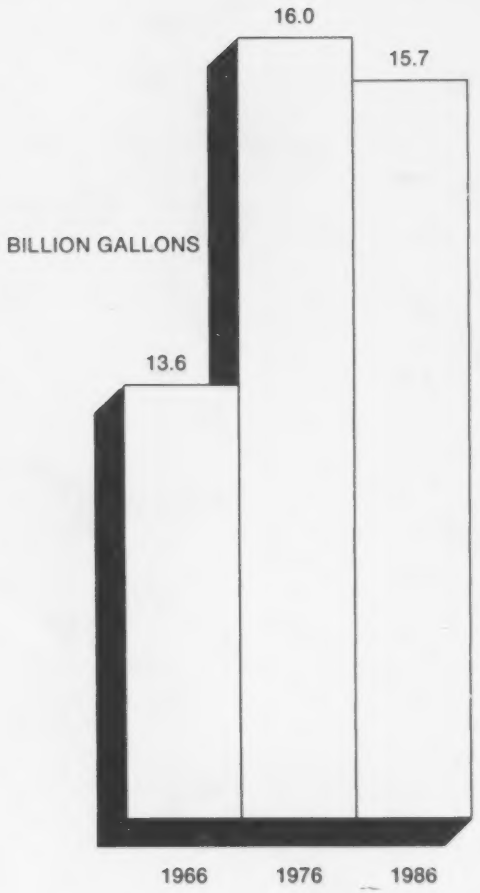
The distribution of LP-gas requires the effort of more than 86,000 people in the United States. Capital investment in excess of $7.5 billion includes 70,000 miles of cross-country pipelines, 25,000 transport and delivery trucks, 22,000 railroad tank cars, 250 primary storage facilities with capacity of seven billion gallons, a fleet of 370 barges and tankers, 8,000 bulk storage and distribution points, and 25,000 retail outlets.

Behind this vast network is the multi-billion dollar complex of petroleum refining and natural gas producing industries operated by LP-gas suppliers. More than 250 oil and gas companies produce LP-gas and distribute it in a number of ways. Some of them maintain their own LP-gas retail outlets, some sell on contract to established LP-gas marketers, and some of the gas finds its way to the open market through brokers.

WHAT IS NLPGA?

The National LP-Gas Association is a trade association offering a full range of services, and represents all segments of the liquified petroleum gas industry. Included are producers of LP-gas, wholesale and retail marketers, gas appliance and equipment manufacturers and distributors, tank and cylinder fabricators, transport firms and others. NLPGA has over 4,000 members throughout the U.S. and 29 other countries. Forty-six regional and state LP-gas associations are affiliated with the national organization.

LP-GAS PRODUCTION



TOTAL ANNUAL PRODUCTION

YEAR	GALLONS*
1956	6,784,470,000
1957	6,947,640,000
1958	7,463,232,000
1959	8,926,764,000
1960	9,546,222,000
1961	9,824,136,000
1962	10,807,230,000
1963	9,951,018,000
1964	12,371,310,000
1965	12,898,746,000
1966	13,605,312,000
1967	12,656,868,000
1968	12,467,406,000
1969	15,683,220,000
1970	15,248,478,000
1971	15,498,336,000
1972	17,373,258,000
1973	17,191,356,000
1974	16,317,126,000
1975	15,199,674,000
1976	16,013,046,000
1977	15,487,500,000
1978	15,023,064,000
1979	16,431,660,000
1980	14,968,884,000
1981	14,395,248,000
1982	13,915,272,000
1983	13,687,758,000
1984	15,129,114,000
1985	15,702,540,000
1986	15,705,648,000

**Figures prior to 1966 include an undisclosed amount of ethane production.*

Source: Energy Information Administration

PRODUCTION OF LP-GAS 1986

(thousands of gallons)

	Supply				Disposition			
Month	Natural Gas Liquids	Liquefied Refinery Gases	Imports*	Stock Withdrawls or (Additions)	Refinery Inputs	Exports*	LP-Gas Available to Market	Ending* Stock
January	1,144,374	561,330	307,818	184,548	494,886	60,900	1,642,284	2,375,100
February	1,025,682	490,686	204,456	148,974	385,518	75,474	1,408,806	2,226,126
March	1,064,994	495,180	218,988	(123,984)	326,046	52,374	1,276,758	2,350,110
April	977,508	511,434	144,018	(262,542)	319,620	35,532	1,015,266	2,612,652
May	1,031,604	565,740	234,066	(402,024)	342,300	45,528	1,041,558	3,014,676
June	980,154	548,100	315,966	(446,334)	287,490	31,374	1,079,022	3,461,010
July	1,018,374	583,296	387,072	(795,732)	262,500	58,548	871,962	4,256,742
August	990,948	592,662	344,400	(468,594)	314,664	62,202	1,082,550	4,725,336
September	929,250	546,168	340,704	(200,592)	365,568	27,510	1,222,452	4,925,088
October	960,246	536,046	285,138	312,606	428,316	32,886	1,632,834	4,613,322
November	990,570	519,078	332,388	370,398	518,868	54,726	1,638,840	4,242,924
December	1,025,724	519,162	294,336	578,340	587,874	36,372	1,793,316	3,664,584
TOTAL	**12,139,428**	**6,468,882**	**3,409,350**	**(1,104,936)**	**4,633,650**	**573,426**	**15,705,648**	**42,476,670**

Source: Energy Information Administration

ANNUAL PRODUCTION, BY TYPE OF GAS, 1967-86

(thousands of gallons)

	PROPANE	BUTANE	BUTANE-PROPANE MIXTURE	ISO-BUTANE	TOTAL PRODUCTION	DAILY AVERAGE PRODUCTION
1967	9,478,644	2,400,678	720,132	56,574	12,656,028	34,674
1968	10,637,424	2,617,734	582,330	47,250	13,884,738	38,040
1969	12,019,014	3,252,102	339,822	72,282	15,683,220	42,968
1970	11,891,040	3,058,734	235,788	62,916	15,248,478	41,777
1971	12,168,156	2,964,024	289,506	76,650	15,498,336	42,461
1972	13,726,272	3,245,004	314,328	87,654	17,373,258	47,598
1973	13,364,232	3,433,164	286,860	107,100	17,191,356	47,100
1974	12,728,562	3,147,480	303,786	137,298	16,317,126	44,704
1975	12,006,834	2,825,172	274,218	93,450	15,199,674	41,643
1976	12,761,532	2,886,156	254,562	110,796	16,013,046	43,871
1977	12,592,566	2,341,122	451,584	102,228	15,487,500	42,432
1978	11,922,078	2,471,826	537,558	91,602	15,023,064	41,159
1979	13,053,978	2,885,274	435,624	56,784	16,431,660	45,018
1980	11,590,698	2,857,050	480,522	40,614	14,968,884	41,011
1981	11,848,116	2,056,656	441,462	49,014	14,395,248	39,439
1982	12,227,292	1,549,170	139,482	(672)	13,915,272	38,124
1983	11,505,858	1,904,700	265,062	12,138	13,687,758	37,501
1984	12,810,042	2,204,412	(1)	114,660	15,129,114	41,499
1985	13,529,880	1,801,212		371,448	15,702,540	43,021
1986	12,814,872	2,216,172		674,604	15,705,648	43,029

Source: Energy Information Administration

(1) Beginning 1984, EIA separated B/P mixture into the two components for reporting purposes.

MONTHLY PRODUCTION, BY TYPE OF GAS*, 1986

(thousands of gallons)

	PROPANE	BUTANE	ISO-BUTANE	TOTAL
JANUARY	1,401,330	159,222	81,732	1,642,284
FEBRUARY	1,122,198	236,586	50,022	1,408,806
MARCH	975,996	226,758	74,004	1,276,758
APRIL	853,524	155,694	6,048	1,015,266
MAY	812,826	180,474	48,258	1,041,558
JUNE	816,648	200,928	61,446	1,079,022
JULY	601,902	191,436	78,624	871,962
AUGUST	885,696	149,226	47,628	1,082,550
SEPTEMBER	1,073,562	106,848	42,042	1,222,452
OCTOBER	1,387,680	185,724	59,430	1,632,834
NOVEMBER	1,359,834	237,384	41,622	1,638,840
DECEMBER	1,523,676	185,892	83,748	1,793,316
TOTAL	**12,814,872**	**2,216,172**	**674,604**	**15,705,648**

*Propane includes propylene; butane includes butylenes.

Source: Energy Information Administration

LP-GAS UNDERGROUND BULK STORAGE CAPACITIES, U.S. 1987-1985
(thousands of gallons)

	1987				1985			
	Propane	Butanes	Other[1]	Total	Propane	Butanes	Other[1]	Total
Alabama	6,006	—	—	6,006	14,994	—	—	14,994
Alaska	—	—	—	—	—	—	—	—
Arizona	121,842	90,174	—	212,016	103,320	77,700	—	181,020
Arkansas	—	—	—	—	—	—	—	—
California	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—
Connecticut	—	—	—	—	—	—	—	—
Delaware	—	—	—	—	—	—	—	—
Florida	—	—	—	—	—	—	—	—
Georgia	9,240	—	—	9,240	9,240	—	—	9,240
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	81,690	43,680	—	125,370	68,250	45,780	—	114,030
Indiana	42,210	26,376	—	68,586	54,600	44,184	—	98,784
Iowa	30,870	2,100	—	32,970	22,470	10,500	—	32,970
Kansas	1,854,636	651,882	17,262	2,523,780	1,755,180	560,868	261,534	2,577,582
Kentucky	25,074	3,360	1,050	29,484	25,074	3,360	1,050	29,484
Louisiana	1,039,920	819,966	871,878	2,731,764	996,324	658,140	1,369,578	3,024,042
Maine	—	—	—	—	—	—	—	—
Md. & D.C.	6,300	—	—	6,300	6,300	—	—	6,300
Massachusetts	—	—	—	—	—	—	—	—
Michigan	170,394	51,786	—	222,180	212,898	51,534	84,000	348,432
Minnesota	13,860	—	—	13,860	13,860	—	—	13,860
Mississippi	872,970	62,286	40,782	976,038	917,718	62,286	40,782	1,017,786
Missouri	44,982	—	—	44,982	44,982	—	—	44,982

	1987				1985			
	Propane	Butanes	Other[1]	Total	Propane	Butanes	Other[1]	Total
Montana	—	—	—	—	—	—	—	—
Nebraska	31,710	—	—	31,710	31,710	—	—	31,710
Nevada	—	—	—	—	—	—	—	—
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	9,660	9,450	—	19,110	9,660	10,500	—	20,160
New Mexico	40,866	—	—	40,866	38,304	2,646	—	40,950
New York	89,040	9,870	40,110	139,020	98,196	—	—	98,196
North Carolina	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—
Ohio	249,438	44,226	8,316	301,980	256,158	44,100	6,426	306,684
Oklahoma	60,186	14,700	—	74,886	87,444	36,792	21,504	145,740
Oregon	—	—	—	—	—	—	—	—
Pennsylvania	48,300	43,050	3,150	94,500	52,920	44,730	3,150	100,800
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	80,010	—	—	80,010	80,010	—	—	80,010
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4,141,914	2,205,042	2,072,616	8,419,572	2,594,508	2,078,412	2,267,412	6,940,332
Utah	8,400	—	—	8,400	8,400	—	—	8,400
Vermont	—	—	—	—	—	—	—	—
Virginia	11,508	—	—	11,508	—	—	—	—
Washington	—	—	—	—	—	—	—	—
West Virginia	21,000	—	—	21,000	21,000	—	—	21,000
Wisconsin	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—
TOTAL CAPACITY	**9,112,026**	**4,077,948**	**3,055,164**	**16,245,138**	**7,520,520**	**3,731,532**	**4,055,435**	**15,307,488**

[1]Other includes B-P mixes and LP-Gas not otherwise identified.

Source: Gas Processors Association

SALES OF LP-GAS, BY PRINCIPAL USES, 1979-86
(thousands of gallons)

Year	Residential and Commercial	Industrial (1)	Engine Fuel	Chemical	Utility Gas	Farm	Other (2)	TOTAL
1979	6,870,505	1,940,100	1,045,100	4,042,886	561,000	1,764,444	207,625	16,431,660
1980	6,530,500	1,547,991	1,090,400	3,583,606	529,999	1,529,371	157,017	14,968,884
1981	6,310,300	1,380,000	1,130,000	3,474,237	490,000	1,462,839	147,872	14,395,248
1982	6,180,300	1,310,000	1,240,000	3,362,186	410,000	1,285,236	127,550	13,915,272
1983	6,090,000	1,220,000	1,362,000	3,243,802	370,000	1,182,578	219,378	13,687,758
1984	5,202,876	1,887,945	951,089	4,109,321	921,144	1,663,387	393,142	15,128,904 (3)
1985	5,793,556	1,299,389	942,254	4,307,062	155,870	1,705,833	875,858	15,079,822 (3, 4)
1986	5,606,699	1,340,652	820,504	4,267,312	294,765	1,633,888	361,625	14,325,445 (3, 4)

(1) Includes Refinery Fuel.

(2) Includes secondary recovery of petroleum and synthetic natural gas feed stock.

(3) API LP-sales survey does not include LP-gas export sales. Also, API data on LP-gas refinery inputs is used in determining LP-gas production/sales in preference to the volume reported by EIA, see page 3.

(4) Significant changes in some states from 1985 and earlier gas sales are based on additional information furnished to API by natural gas liquids pipeline companies.

Source: NLPGA and API

SALES OF LP-GAS BY STATES, 1979-86
(thousands of gallons)

	1980 (1)	1981 (1)	1982 (1)	1983 (1)	1984 (2, 3)	1985 (2, 3)	1986 (2, 3, 4)
Alabama	227,731	236,176	213,548	206,881	178,075	174,219	175,072
Alaska	21,897	21,925	36,139	24,783	w	14,889	13,300
Arizona	75,241	72,553	73,127	73,890	66,727	76,034	82,649
Arkansas	234,582	182,832	193,913	190,425	168,904	176,381	167,503
California	511,451	621,623	625,100	638,197	739,859	776,882	226,324
Colorado	218,505	194,561	225,710	167,763	103,705	105,256	89,478
Connecticut	57,593	61,695	59,244	54,967	51,282	51,680	46,383
Delaware	39,536	42,563	39,365	43,007	49,652	41,825	33,084
Florida	412,424	434,344	378,633	396,833	347,271	399,436	431,608
Georgia	298,846	324,803	283,259	288,293	263,364	291,335	274,184
Hawaii	33,010	27,108	37,757	23,140	w	6,296	6,712
Idaho	41,554	34,717	44,525	39,089	31,815	36,230	30,718
Illinois	727,808	655,106	613,051	624,976	794,996	788,693	764,188
Indiana	313,052	301,838	282,080	321,871	357,416	328,805	329,913
Iowa	385,266	357,245	408,322	441,185	528,416	591,080	588,186
Kansas	234,229	236,421	273,425	345,937	756,234	611,981	212,224
Kentucky	253,853	235,841	218,674	214,026	260,962	284,430	270,554
Louisiana	306,133	248,899	202,029	236,384	982,522	952,434	896,539
Maine	37,827	34,072	38,113	33,096	22,935	26,533	42,465
Maryland & D.C.	82,866	93,723	77,805	89,809	96,840	75,501	59,584
Massachusetts	88,995	121,024	105,076	88,042	65,990	71,752	94,715
Michigan	309,661	278,640	327,955	431,990	484,763	720,361	801,192
Minnesota	281,711	264,838	297,694	313,466	333,725	356,330	397,852
Mississippi	236,291	225,792	233,627	225,201	218,242	208,514	147,132
Missouri	465,742	407,099	455,980	411,025	340,805	372,837	384,048

	1980 (1)	1981 (1)	1982 (1)	1983 (1)	1984 (2, 3)	1985 (2, 3)	1986 (2, 3, 4)
Montana	79,987	54,940	77,359	62,941	49,258	61,597	63,384
Nebraska	179,335	166,829	180,572	156,875	149,236	176,763	163,284
Nevada	35,936	33,836	38,652	40,072	36,366	47,390	45,898
New Hampshire	59,892	56,732	64,583	59,096	50,017	64,713	71,272
New Jersey	139,002	141,364	124,038	111,901	264,907	232,104	207,911
New Mexico	152,380	108,945	154,427	158,873	153,130	140,102	71,050
New York	289,028	264,125	245,749	262,584	208,193	207,808	208,275
North Carolina	303,397	303,417	275,717	282,743	299,367	323,396	314,373
North Dakota	53,288	73,781	66,273	47,613	31,464	26,811	89,402
Ohio	1,001,818	955,760	867,725	662,365	504,464	603,114	520,397
Oklahoma	266,389	284,961	260,694	249,347	272,150	400,132	280,609
Oregon	63,949	70,612	64,582	68,683	60,694	67,666	71,896
Pennsylvania	288,386	248,850	222,533	225,533	239,876	228,144	186,764
Rhode Island	13,871	13,537	15,699	15,338	12,962	20,888	24,500
South Carolina	136,762	143,156	127,860	125,485	108,489	134,045	122,967
South Dakota	124,175	89,727	101,433	88,814	69,586	86,254	104,189
Tennessee	146,307	79,904	116,009	138,024	137,847	149,979	166,793
Texas	1,461,685	1,419,233	1,048,020	1,000,960	4,066,334	3,749,674	3,730,949
Utah	38,806	48,817	71,663	66,121	62,630	60,931	48,993
Vermont	31,127	33,823	41,955	38,814	28,321	33,848	37,026
Virginia	143,117	140,183	132,161	113,591	157,263	162,529	141,903
Washington	72,585	83,450	83,408	96,114	92,533	88,627	94,972
West Virginia	38,037	36,676	26,978	22,178	15,031	35,663	38,200
Wisconsin	283,529	259,668	280,861	337,044	364,777	361,689	346,983
Wyoming	86,686	93,247	120,004	88,071	75,340	76,241	67,828
Totals	**11,385,278**	**10,921,011**	**10,553,086**	**10,443,456**	**14,789,925**	**15,079,822**	**14,325,445**

w - Data withheld to avoid disclosing reports for individual companies. These reports included in totals.

(1) Does not include chemical feedstock use.

(2) Eoes include chemical feedstock use.

(3) API LP-sales survey does not include LP-gas export sales. Also, API data on LP-gas refinery inputs is used in determining LP-gas production/sales in preference to the volume reported by EIA, see page 3.

(4) Significant changes in some states from 1985 and earlier LP-gas sales are based on additional information furnished to API by nagural gas liquids pipeline companies.

Source: NLPGA and API

SALES OF LP-GAS, BY STATES AND PRINCIPAL USES, 1986
(thousands of gallons)

	Residential and Commercial	Chemical	Industrial (1)	Engine Fuel	Utility Gas	Farm	Other (2)	Total (3, 4)
Alabama	125,768	w	12,656	14,606	0	21,446	233	175,072
Alaska	w	0	w	w	0	w	w	13,300
Arizona	57,283*	0	9,160*	10,573	0	3,980	w	82,649
Arkansas	121,083	w	4,166	9,167	0	32,258*	538*	167,503
California	256,801	w	259,909	115,853*	4,817	35,764	16,690*	766,324
Colorado	69,593	0	11,202*	5,396	0	2,451	835	89,478
Connecticut	28,803	w	11,640	1,995	w	754	319*	46,383
Delaware	21,163	w	w	4,012	0	1,940	2,124	33,084
Florida	328,669*	w	25,178	39,381	12,612	17,942	4,652	431,608
Georgia	181,892	w	18,922	16,920	w	49,903	3,886*	274,184
Hawaii	w	0	0	w	0	w	0	6,712
Idaho	14,791	0	6,862	5,941	0	2,474	650	30,718
Illinois	237,488	75,030	47,344	52,350	w	254,471	2,445*	764,188
Indiana	204,099	w	11,755	20,262	w	84,682	1,642*	329,913
Iowa	256,299	w	16,937	19,551*	0	292,817	401*	588,186
Kansas	94,785	31,966	31,727*	13,969*	w	32,965	943*	212,224
Kentucky	129,346	w	92,915*	11,192	228	6,636	228	270,554
Louisiana	55,816	716,925	21,551	9,411	w	6,251	7,380*	896,539
Maine	26,126	w	10,479	2,064	w	1,114	w	42,465
Md. & D.C.	38,907	0	11,047	3,196	0	3,421	2,217*	59,584
Massachusetts	58,262	0	9,423	5,574	w	274	839*	94,715
Michigan	395,192	0	60,174	39,224	52,396	50,265	98,001*	801,192
Minnesota	219,280	0	37,434	17,462	29	119,192	2,317*	397,852
Mississippi	89,298	w	13,960*	19,199	w	14,837	974*	147,132
Missouri	306,412	0	20,847*	21,765	w	33,359	1,008*	384,048

SALES OF LP-GAS, BY STATES AND PRINCIPAL USES, 1986
(thousands of gallons)

	Residential and Commercial	Chemical	Industrial (1)	Engine Fuel	Utility Gas	Farm	Other (2)	Total (3, 4)
Montana	32,194	0	14,282	5,036	0	9,883	w	63,384
Nebraska	69,719	w	6,934	5,255	0	80,767	550*	163,284
Nevada	34,161	0	6,294*	2,763	0	1,480	1,196	45,898
New Hampshire	52,961	0	9,612	1,467	688	75	6,469	71,272
New Jersey	52,537	65,008*	26,800	9,184	w	2,164	666*	207,911
New Mexico	52,720	w	3,412	9,220	w	3,903	856	71,050
New York	168,187	w	20,752	9,698	w	7,616	1,040*	208,275
North Carolina	162,973	w	37,011	15,272	w	89,522	4,286*	314,373
North Dakota	48,915	0	3,765	3,163	w	28,400	5,136	89,402
Ohio	270,125	0	46,839*	57,020	w	69,311	3,116*	520,397
Oklahoma	115,870	74,939**	42,428	14,594	w	32,383	277	280,609
Oregon	27,159	0	19,279*	19,362	0	5,171	689	71,896
Pennsylvania	101,835	w	45,900	17,237	0	19,624	1,948*	186,764
Rhode Island	13,120	w	3,489	1,649	w	31	345*	24,500
South Carolina	85,909*	w	14,718	6,803	355	13,831	787	122,967
South Dakota	65,881	0	2,095	3,485	w	32,068	637	104,189
Tennessee	111,758	w	20,442	27,870	w	4,252	550*	166,793
Texas	348,126	3,057,618	128,894	76,427	33,439	72,125	12,922*	3,730,949
Utah	22,174*	w	5,749*	6,656*	w	1,920	w	48,993
Vermont	31,134	0	3,973	920	w	139	w	37,026
Virginia	78,466	w	32,160	5,079	w	19,154	5,762*	141,903
Washington	26,719	0	15,656*	35,203*	0	6,976	582	94,972
West Virginia	11,693	w	1,893	1,760	w	705	167	38,200
Wisconsin	239,955	w	24,344	19,195	w	61,017	1,998*	346,983
Wyoming	31,268*	w	17,031*	4,417*	w	2,197	614*	67,828
Total	**5,606,699**	**4,267,312**	**1,340,652**	**820,504**	**294,765**	**1,633,888**	**361,625**	**14,325,445**

*Propane only; butane withheld

**Butane only; propane withheld

w - Data withheld to avoid disclosing reports for individual companies. These reports included in totals.

(1) Includes refinery fuel.

(2) Includes secondary recovery of petroleum and synthetic natural gas feedstock.

(3) API LP-gas sales survey does not include LP-gas export sales. Also, API data on LP-gas refinery inputs is used in determining LP-gas production/sales in preference to the volume reported by EIA, see page 3.

(4) Significant changes in some states from 1985 and earlier LP-gas sales are based on additional information furnished to API by natural gas liquids pipeline companies.

SALES OF LP-GAS, BY STATE AND TYPE OF GAS, 1986 (1, 2)
(thousands of gallons)

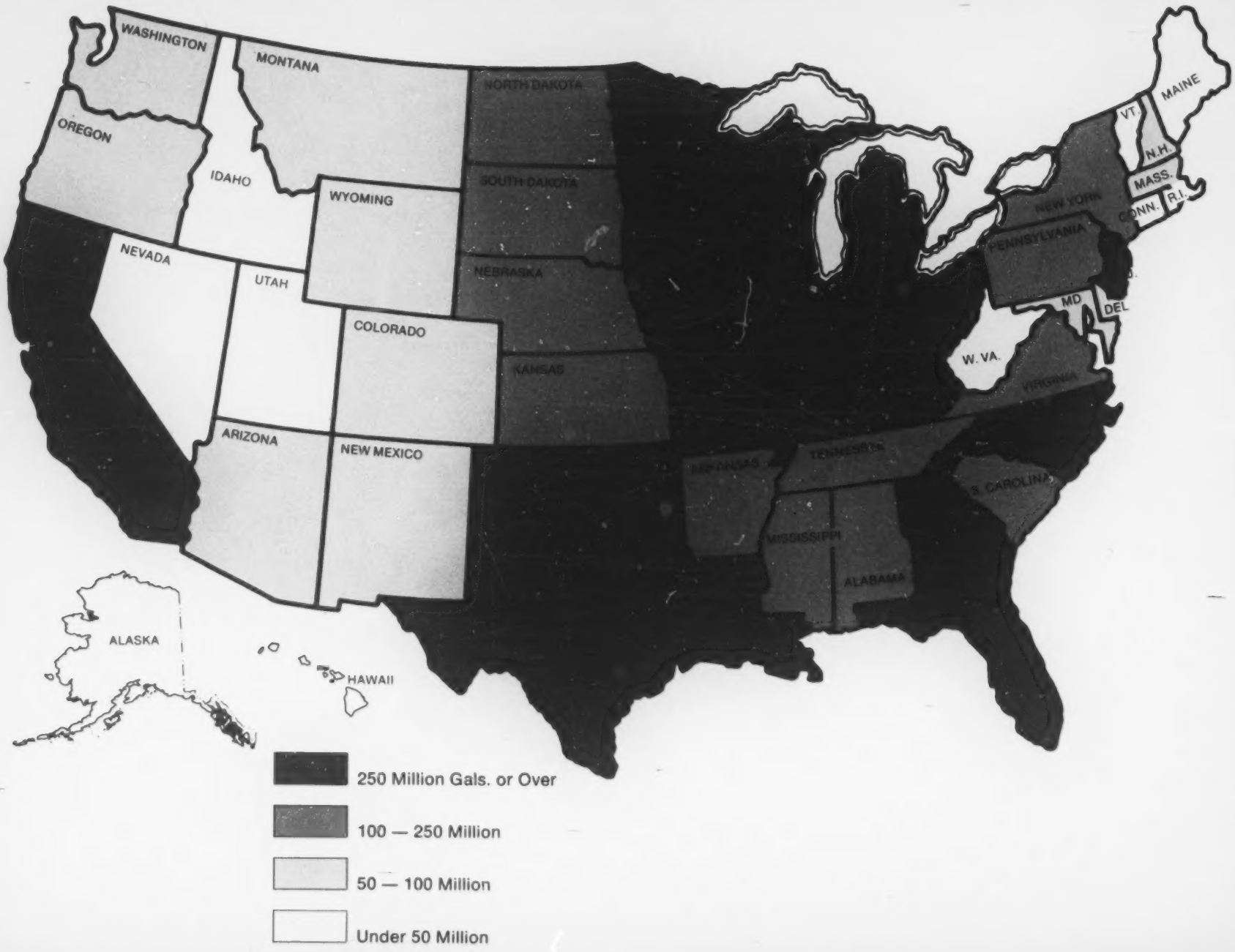
	Propane	Butane
Alabama	174,913	159
Alaska	13,300	0
Arizona	82,183	466
Arkansas	167,212	291
California	653,953	112,371
Colorado	89,477	1
Connecticut	44,136	2,247
Delaware	33,084	0
Florida	429,713	1,895
Georgia	272,221	1,963
Hawaii	6,712	0
Idaho	30,718	0
Illinois	721,452	42,736
Indiana	329,128	785
Iowa	586,005	2,181
Kansas	180,480	31,764
Kentucky	251,123	19,431
Louisiana	519,155	377,384
Maine	42,465	0
Maryland & D.C.	58,788	796
Massachusetts	90,850	3,865
Michigan	695,252	105,940
Minnesota	395,714	2,138
Mississippi	146,667	465
Missouri	383,653	395
Montana	63,384	0
Nebraska	163,225	59
Nevada	45,894	4
New Hampshire	71,272	0
New Jersey	157,439	50,472
New Mexico	70,668	382
New York	208,271	4
North Carolina	309,565	4,808
North Dakota	89,402	0
Ohio	518,888	1,509
Oklahoma	205,670	74,939
Oregon	71,660	236
Pennsylvania	186,199	565
Rhode Island	18,790	5,710
South Carolina	122,678	289
South Dakota	104,189	0
Tennessee	165,330	1,463
Texas	3,078,102	652,847
Utah	37,892	11,101
Vermont	37,026	0
Virginia	141,783	120
Washington	85,136	9,836
West Virginia	38,196	4
Wisconsin	346,655	328
Wyoming	55,578	12,250
Total	**12,791,246**	**1,534,199**

(1) API LP-sales survey does not include LP-gas export sales. Also, API data on LP-gas refinery inputs is used in determining LP-gas production/sales in preference to the volume reported by EIA, see page 3.

(2) Significant changes in some states from 1985 and earlier LP-gas sales are based on additional information furnished to API by natural gas liquids pipeline companies.

Source: NLPGA and API

STATE SALES LEVELS, 1988



UNITED STATES 1978-86 LP-GAS IMPORTS, BY P.A.D. DISTRICTS
(thousands of gallons)

FOREIGN TRADE

Petroleum Administration District	1978	1979	1980	1981	1982	1983	1984	1985	1986
I	216,613	386,553	311,927	373,800	219,828	181,734	270,942	373,674	547,932
II	976,513	1,514,546	1,395,441	1,010,310	1,075,032	794,892	1,058,274	1,079,484	985,572
III	152,157	358,789	304,035	473,634	425,124	291,270	204,498	275,184	1,504,650
IV	183,772	193,353	202,379	220,164	247,584	190,764	226,968	227,556	178,248
V	199,158	214,858	192,324	216,384	240,450	218,526	213,066	160,482	192,864
Total United States	**1,728,213**	**2,668,079**	**2,406,106**	**2,294,292**	**2,207,982**	**1,677,186**	**1,973,748**	**2,116,380**	**3,409,266**

Source: Energy Information Administration

CANADIAN LP-GAS SUPPLY AND DISPOSITION, 1986
(thousands of gallons)

PROPANE	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Gas Plant Production	373,509	308,454	327,446	361,352	1,370,761
Refinery Production	90,193	70,922	90,206	91,249	342,570
Imports	0	0	0	1,075	1,075
Domestic Purchases	516,523	411,792	495,436	585,513	2,009,264
Inventory Changes	(2,033)	(73,686)	(112,166)	42,489	(145,396)
Total	978,192	717,482	800,922	1,081,678	3,578,274
Plant & Refinery Use	8,307	9,574	7,202	9,462	34,545
Solvent Flood	60,342	54,911	65,427	64,629	245,309
Petrochemical Industry	0	0	0		
Residential, commercial, industrial	723,186	547,337	626,735	778,283	2,675,541
Export	178,372	94,234	101,232	229,190	603,028
Losses & Adjustments	7,985	11,426	326	114	19,851
Total	978,192	717,482	800,922	1,081,678	3,578,274

BUTANE	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Gas Plant Production	208,543	180,774	191,942	202,300	783,559
Refinery Production	94,015	101,639	119,543	89,896	405,093
Imports	0	0	0	90	90
Domestic Purchases	295,912	262,951	291,628	322,712	1,173,203
Inventory Changes	(17,153)	(27,075)	(74,879)	63,899	(55,208)
Total	581,317	518,289	528,234	678,897	2,306,737
Plant & Refinery Use	58,493	48,251	37,667	42,690	187,101
Solvent Flood	24,548	24,214	53,044	26,849	128,655
Petrochemical Industry	73,799	40,041	32,184	105,862	251,886
Residential, commercial, industrial	261,435	264,022	288,277	285,629	1,099,363
Export	160,213	135,491	115,345	211,554	622,603
Losses & Adjustments	2,829	6,270	1,717	6,313	17,129
Total	581,317	518,289	528,234	678,897	2,306,737

Source: Statistics Canada

UNITED STATES LP-GAS IMPORTS, 1985-86
(thousands of gallons)

BY COUNTRY	1986	1985
Algeria	497,482	97,872
Australia	72,735	60,794
Canada	1,418,144	1,555,988
Indonesia	19,956	0
Japan	30	7
Mexico	217,955	161,282
Netherlands	1,332	1,598
Saudi Arabia	277,733	37,448
United Kingdom	235,185	102,592
Venezuela	284,091	47,446
Others	409,897	8,069
TOTAL	3,434,540	2,073,096

BY MONTH	1986	1985
January	304,481	272,003
February	204,508	222,517
March	219,585	176,652
April	145,483	113,596
May	236,935	118,331
June	319,860	155,008
July	391,688	125,623
August	352,658	92,919
September	347,097	119,559
October	287,204	206,134
November	328,788	204,126
December	296,253	266,628
TOTAL	3,434,540	2,073,096

UNITED STATES LP-GAS EXPORTS, 1985-86
(thousands of gallons)

BY COUNTRY	1986	1985
Canada	232,142	170,683
France	561	18,386
Japan	283	34
Mexico	284,582	526,076
Netherlands	55	12,337
Saudi Arabia	12	708
South Africa	59	0
West Germany	32	4,150
Others	84,333	164,113
TOTAL	602,059	896,487

BY MONTH	1986	1985
January	46,561	87,278
February	78,737	79,084
March	50,824	55,572
April	40,104	96,636
May	50,726	47,854
June	26,260	62,539
July	66,189	84,591
August	67,698	99,240
September	34,727	27,399
October	29,932	54,571
November	69,449	110,835
December	40,852	90,888
TOTAL	602,059	896,487

Source: Bureau of the Census

QUARTERLY TANK SHIPMENTS
1975-86

QUARTER	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
First	18,582	25,595	33,121	27,980	34,649	65,934R	71,944	53,572	33,248	35,693	42,470	53,667
Second	22,725	31,775	45,871	38,501	61,315	81,028R	83,830	45,071	46,227	41,169	52,272	54,692
Third	31,952	38,123	44,742	39,617	69,005	81,412R	85,869	48,469	45,265	42,193	43,246	58,398
Fourth	38,010	50,583	55,303	51,874	74,586	59,016R	64,241	57,492	55,020	55,279	72,905	80,097
Year Total	**111,269**	**146,056**	**179,037**	**157,972**	**239,555**	**287,390R**	**305,884**	**204,604**	**179,760**	**174,334**	**210,893**	**246,854**

Source: NLPGA

QUARTERLY REGULATOR SHIPMENTS
1975-86

QUARTER	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
First	328,038	510,865	707,029	828,603	1,089,877	1,048,099	806,859	1,110,123	1,340,771	1,186,421	1,186,421	1,609,223
Second	402,248	625,045	715,807	741,158	734,847	444,389	624,570	708,216	958,874	899,325	899,325	991,253
Third	312,834	493,122	334,550	463,217	424,764	334,575	482,716	247,797	522,424	467,400	540,611	487,528
Fourth	291,217	499,081	576,206	709,051	819,734	692,250	766,665	567,256	825,303	1,187,091	876,970	992,525
Year Total	**1,334,337**	**2,128,113**	**2,333,592**	**2,742,029**	**3,069,222**	**2,519,313**	**2,680,810**	**2,633,392**	**3,647,372**	**3,740,237**	**3,042,796**	**4,080,529**

Source: NLPGA

QUARTERLY CYLINDER SHIPMENTS
1975-86

QUARTER	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
First	285,104	418,882	466,176	493,223	544,223R	634,970R	662,999R	760,573	940,557	1,130,421	1,130,470	1,280,577
Second	399,605	438,318	518,409	533,156	530,418R	312,208R	719,166R	876,929	804,376	1,094,296	877,822	1,005,511
Third	332,281	403,534	253,221	313,386	258,874R	275,847R	373,576R	290,109	328,761	351,547	392,890	360,334
Fourth	277,884	343,404	322,592	398,451	336,813R	403,971R	480,051R	427,530	506,714	704,982	670,105	687,131
Year Total	**1,294,874**	**1,604,138**	**1,560,398**	**1,738,216**	**1,670,328R**	**1,626,996R**	**2,235,792R**	**2,355,141**	**2,580,408**	**3,281,246**	**3,071,287**	**3,333,553**

R - Revised

Source: NLPGA

LP-GAS CYLINDER SHIPMENTS, BY SIZE (1)
1969-86

SIZE IN POUNDS (2)	5	10	20	33	40	60	100	200	300	420	All Other	TOTAL
1969	67,516	32,431	481,211	115,439	10,779	8,290	192,456	5,714	16,124	*	0	929,960(3)
1970	124,231	40,823	492,911	132,277	8,777	11,139	194,371	12,399	29,670	*	35,310	1,081,908(4)
1971	21,254R	28,948R	860,237R	266,864R	44,020R	12,307R	175,348R	11,309R	2,161R	27,771R	0	1,450,219R
1972	29,619	31,264	858,836	374,450	52,870	12,888	138,994	9,683	1,699	49,015	3,118	1,562,436
1973	36,375	33,997	902,107	340,085	60,188	21,559	144,553	10,373	1,737	33,100	0	1,584,074
1974	23,862	44,911	624,856	248,271	40,828	24,443	107,184	9,483	2,065	19,926	12,321	1,158,150
1975	13,958	36,373	721,714	266,213R	52,583	39,733	81,469	8,608	881R	18,236R	55,106R	1,294,874
1976	13,264	32,532	953,719	400,971	47,382	33,344	69,543	12,782	52R	18,990R	21,558R	1,604,137
1977	27,682	50,880	902,726	381,742	56,826	19,189	61,362	9,742	0	26,146R	24,123R	1,560,418
1978	24,251	48,761	1,070,162	381,466	60,223	21,787	74,026	9,457	0	20,356R	27,718R	1,738,207
1979	16,297R	35,396R	1,136,955R	250,781R	57,665R	18,752R	85,020R	6,821R	0	17,819R	44,260R	1,669,766R
1980	13,882R	16,723R	1,194,210R	208,247R	46,849R	14,600R	69,404R	6,423R	572R	25,149R	30,937R	1,626,996R
1981	15,428R	24,014R	1,784,230R	235,676R	46,476R	9,653R	54,186R	2,958R	636R	24,267R	38,240R	2,235,791R
1982	14,133	19,718	1,945,972	226,141	44,401	10,288	44,248	3,981	0	21,790	24,469	2,355,141
1983	12,581	23,611	2,155,684	256,132	36,690	7,056	46,611	2,238	275	15,077	24,453	2,580,408
1984	23,775	52,011	2,741,136	293,753	55,609	13,085	72,493	3,199	178	21,121	4,886	3,281,246
1985	24,898	40,324	2,604,796	288,398	45,306	3,664	56,079	251	0	7,189	402	3,071,287
1986	28,674	37,413	2,778,579	314,298	57,186	17,802	87,471	0	0	10,103	2,027	3,333,553

*420 lb. cylinders included in "All Other".

LP-GAS CYLINDER SHIPMENTS, BY SIZE(1)
1957-67 SHIPMENTS

SIZE IN POUNDS	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967(5)
20	362,312	295,661	357,015	353,175	249,478	367,030	300,757	413,836	423,483	387,801	207,380
60	17,270	8,826	11,148	8,130	9,891	11,688	14,650	11,755	12,822	7,076	6,860
100	486,387	390,091	448,627	534,091	362,553	341,278	189,415	155,285	235,071	239,336	139,050
150-200	14,211	10,258	8,353	6,519	7,427	9,631	8,635	7,947	15,205	10,428	6,290
300-420	21,945	21,039	19,734	13,321	21,371	23,257	20,499	23,123	19,519	8,568	18,280
Unclassified	483,606	50,746	119,810	163,215	100,947	159,453	129,885	202,649	184,349	223,461	153,640
TOTALS	**1,385,731**	**776,621**	**964,687**	**1,078,451**	**751,667**	**912,337**	**663,841**	**814,595**	**890,449**	**876,670**	**531,500**

R - Revised

(1) Authorized cylinders for LP-Gas usage are 3, 3A, 3AA, 3B, 3E, 4A, 4B, 4BA, 4B240ET, 4BW240, 4B240X, 4B240FLW and 4E. However, only the readily identifiable LP-Gas grouping of 4B, 4BA, and 4BW240 is listed above. 4E is listed starting with 1970.

(2) For clarity and convenience, size classifications have been listed by the common cylinder sizes.

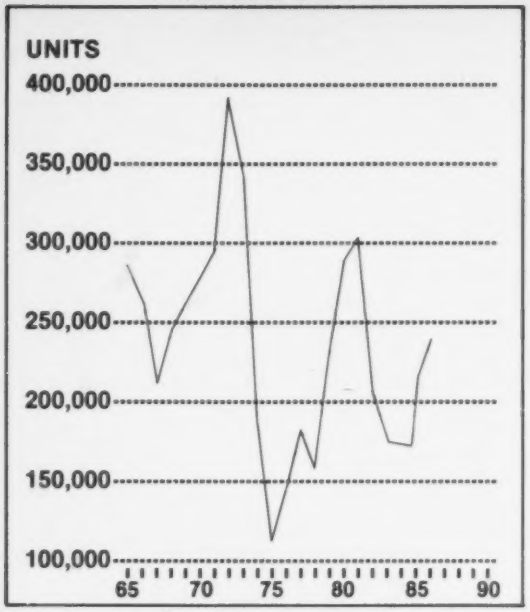
(3) Figures for October were inadvertently omitted, and are included in the figures reported for the first quarter of 1970.

(4) 1970 figures contain October 1969 figures.

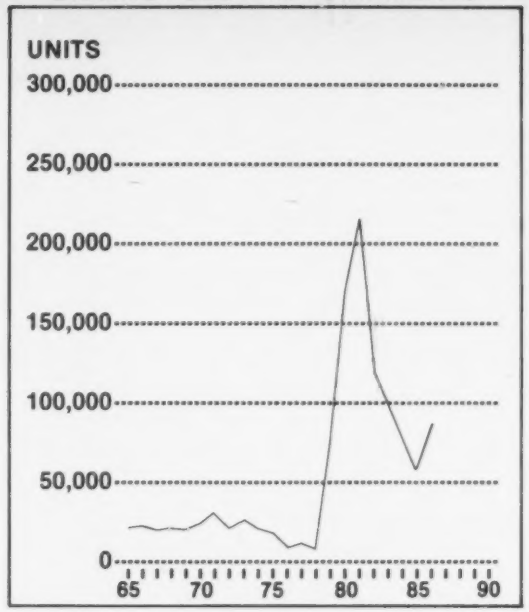
(5) Experienced reporting difficulties.

Source: Compressed Gas Association and NLPGA

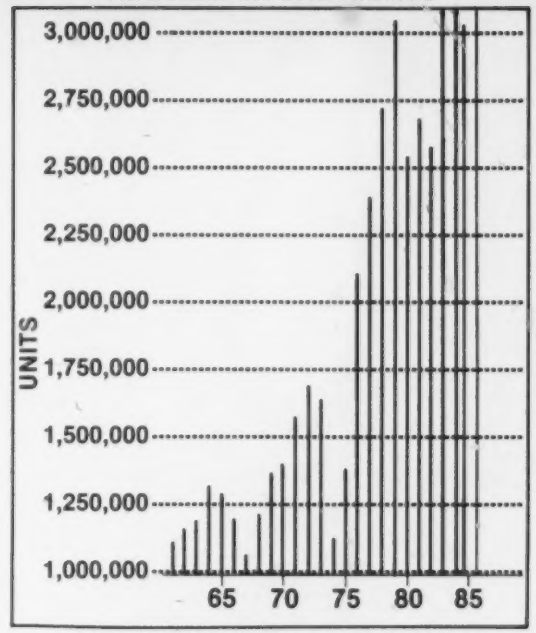
TANK SHIPMENTS



ENGINE FUEL TANK SHIPMENTS



REGULATOR SHIPMENTS



ANNUAL TANK SHIPMENTS
1960-1986

1960	141,107
1961	148,524
1962	218,308
1963	242,600
1964	269,278
1965	282,350
1966	258,369
1967	223,451
1968	248,036
1969	261,904
1970	277,121
1971	296,035
1972	389,125
1973	346,342
1974	186,282
1975	111,269
1976	146,056
1977	179,037
1978	157,972
1979	239,555
1980	287,390R
1981	305,884
1982	204,604
1983	179,760
1984	174,334
1985	210,893
1986	246,854

ANNUAL ENGINE FUEL TANK SHIPMENTS
1965-1986

1965	21,922
1966	22,815
1967	17,645
1968	20,185
1969	18,577
1970	24,988
1971	32,266
1972	23,284
1973	27,058
1974	22,881
1975	15,398
1976	9,692
1977	11,340
1978	7,389
1979	76,228
1980	172,136
1981	216,652
1982	117,026
1983	96,774
1984	54,773
1985	77,305
1986	81,793

ANNUAL REGULATOR SHIPMENTS
1961-1986

1961	1,084,754
1962	1,136,224
1963	1,161,249
1964	1,295,479
1965	1,275,253
1966	1,203,690
1967	1,065,472
1968	1,245,876
1969	1,357,168
1970	1,374,306
1971	1,579,696
1972	1,739,876
1973	1,636,683
1974	1,148,091
1975	1,334,337
1976	2,128,113
1977	2,333,592
1978	2,742,029
1979	3,069,222
1980	2,519,313
1981	2,680,810
1982	2,633,392
1983	3,647,372
1984	3,740,237
1985	3,042,796
1986	4,080,529

Source: NLPGA

ANNUAL TANK SHIPMENTS, BY SIZES, 1956-86
SIZE IN GALLONS (Water Capacity)

YEAR	0-399*	Engine Fuel	400-599	600-1099	Over 1099	Transport & Delivery** 1000-12000	TOTALS
1956	139,433		98,288	26,472	1,502	—	265,695
1957	117,975		71,974	16,069	1,234	—	207,252
1958	83,321		66,617	14,202	1,393	—	165,533
1959	102,779		65,069	16,996	1,458	—	186,302
1960	80,387		47,918	11,499	1,213	—	141,017
1961	85,918		50,449	10,923	1,234	—	148,524
1962	125,209		75,096	15,881	2,122	—	218,308
1963	126,041		90,157	22,170	4,232	—	242,600
1964	141,746		104,584	21,279	1,669	—	269,278
1965	113,285	21,922	116,462	28,306	1,451	924	282,350
1966	104,477	22,815	103,858	24,833	1,364	1,022	258,369
1967	92,881	17,645	88,819	21,671	1,298	1,136	223,450
1968	115,168	20,185	84,285	25,902	1,332	1,164	248,036
1969	120,431	18,577	93,905	26,570	887	1,534	261,904
1970	116,473	24,988	105,399	27,638	1,069	1,552	277,119
1971	122,032	32,266	118,996	29,305	1,080	1,356	305,035
1972	166,712	23,284	154,963	40,747	2,082	1,337	389,125
1973	138,337	27,058	114,319	60,913	4,301	1,414	346,342
1974	60,710	22,881	63,241	34,554	3,483	1,213	186,082
1975	40,375	15,398	36,362	16,310	2,054	770	111,269
1976	61,752	9,692	52,067	19,959	1,852	734	146,056
1977	81,897	11,340	53,121	27,636	3,653	1,390	179,037
1978	76,170	7,389	48,961	20,344	1,296	812	154,972
1979	84,986	76,228	55,773	20,922	1,048	598	239,555
1980	66,231	172,136	32,899	14,588	912	624	287,390
1981	51,608	216,652	24,139	12,069	1,006	410	305,884
1982	56,847	117,026	19,881	9,744	611	495	204,604
1983	59,966	96,774	16,057	6,132	468	363	179,760
1984	85,441	54,773	25,145	7,616	756	603	174,334
1985	92,437	77,305	32,048	8,056	475	572	210,893
1986	107,277	81,793	45,806	11,170	254	554	246,854

*Includes engine fuel tanks through 1964.

**Not reported separately prior to 1965. See page 33 for breakdown.

Source: NLPGA

LP-GAS TRANSPORT TRUCK PRODUCTION*
1965-86

1965	310
1966	357
1967	307
1968	218
1969	221
1970	312
1971	302
1972	326
1973	384
1974	492
1975	178
1976	323
1977	800(R)
1978	431(R)
1979	177
1980	188
1981	76
1982	60
1983	67
1984	70
1985	22
1986	13

From 1965 to date, tank truck data is for trucks ranging in size from 7,500 to 12,000 water gallon capacity.

(R) - Revised

Source: NLPGA and Bureau of the Census

SHIPMENTS OF LP-GAS DELIVERY AND TRANSPORT TRUCKS
1985-86

SIZE	1986	1985
1,000 - 1,399 Gallons	0	2
1,400 - 1,999 Gallons	2	1
2,000 - 2,599 Gallons	137	176
2,600 - 3,499 Gallons	402	370
3,500 - 7,499 Gallons	3	1
7,500 - 12,000 Gallons	10	22
TOTAL	**554**	**572**

Source: NLPGA

AGRICULTURAL CROP DRYER SHIPMENTS
1968-1986

GRAIN, HAY AND SEED DRYERS

YEAR	Heated Types*	Unheated Air Types	Totals
1968	17,318	925	18,243
1969	10,103	1,519	11,622
1970	7,153	2,019	9,172
1971	13,245	2,279	15,524
1972	16,456	3,358	19,814
1973	23,364	12,140	35,504
1974	34,781 (R)	15,936 (R)	50,717 (R)
1975	24,540 (R)	19,586 (R)	44,126 (R)
1976	29,904 (R)	24,997 (R)	54,901
1977	41,427 (R)	45,668 (R)	87,095 (R)
1978	39,951 (R)	59,912 (R)	99,863 (R)
1979	32,308 (R)	48,687 (R)	80,995 (R)
1980	24,301 (R)	26,162 (R)	50,463 (R)
1981	19,314 (R)	27,452 (R)	46,766 (R)
1982	27,360 (R)	37,263	64,623 (R)
1983	16,979	9,123	26,102
1984	9,798	9,851	19,649
1985	N/A	N/A	N/A
1986	N/A	N/A	N/A

**Consist of batch type, continuous flow, heated air and supplemental heater units estimated by manufacturers to be 90% to 95% LP-Gas fueled.*

(R) Revised

Source: Bureau of the Census

CLASSIFICATIONS FOR LP-GAS APPLICATIONS

Residential & Commercial

- Kitchen Ranges
- Barbecue Grills
- Water Heaters
- Clothes Dryers
- Central Heating Systems
- Central Air Conditioning Systems
- Space Heaters
- Patio & Yard Lamps
- Patio & Pool Deck Heaters
- Recreation: Camp Cookers, Heaters, Lights, Refrigeration
- Infra-Red Heaters
- Laundry Equipment
- Greenhouses
- Incinerators
- Roofing Kettles
- Street Pavers

Internal Combustion

- Industrial Lift Trucks
- Industrial Sweepers
- Stationary Engines
- Bus & Truck
- Automobile
- Portable Engines
- Refrigeration

Chemical & Industrial

- Raw Materials
- Solvents
- Standby Fuel
- Flame Cutters
- Metallurgical Furnaces
- Industrial Dryers
- Electric Generation
- Construction Heaters
- Refinery Fuel

Utility Gas

- Propane-Air Systems
- Propane Enrichment

Synthetic Rubber

Synthetic Natural Gas Feedstock

Secondary Recovery of Petroleum

Farm

- Farm Tractors
- Farm Home Uses
- Crop Dryers
- Flame Cultivation
- Weed & Insect Control
- Tobacco Curers
- Poultry Brooders
- Stock Tank Heaters
- Pig Farrowers

*American Petroleum Institute

RESIDENTIAL GAS APPLIANCE SHIPMENTS*
1955-1986

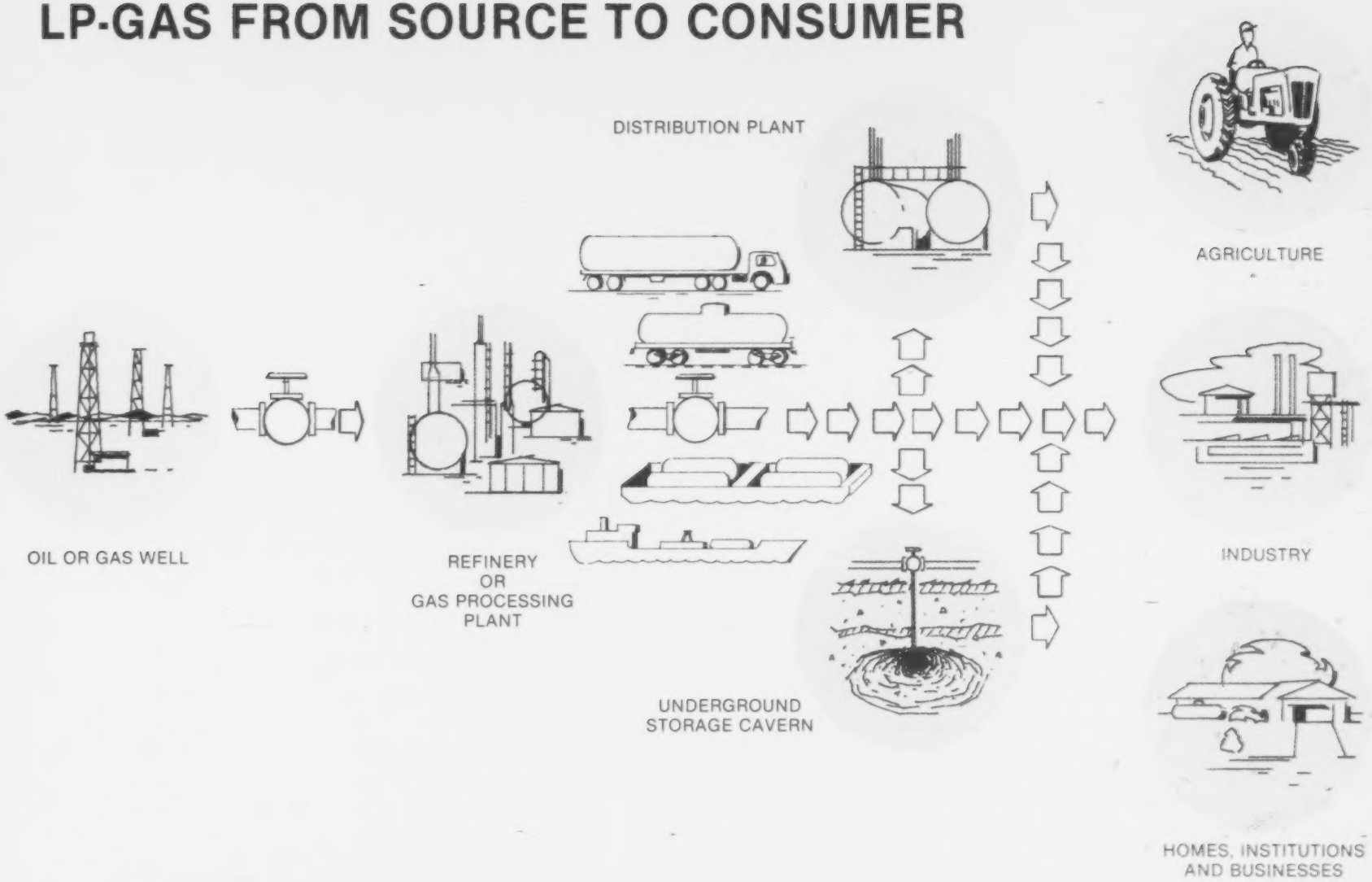
	Domestic Ranges	Water Heaters	Warm Air Furnaces	Boilers	Conversion Burners	Direct Htg. Eqpt.	Floor Furnaces	Wall Furnaces	Clothes Dryer	Gas Grills
1955	2,344,800	2,748,200	874,400	90,100	209,100	1,135,720	191,555	383,907	368,206	
1956	2,177,400	2,762,100	812,600	96,300	186,900	1,089,304	98,270	301,962	434,365**	
1957	1,968,600	2,532,300	702,600	105,400	163,500	931,982	76,031	243,559	392,085	
1958	1,884,400	2,673,400	853,700	123,200	142,000	1,485,000	97,500	389,000	378,700	
1959	2,012,500	2,953,600	1,053,400	159,600	156,200	1,446,300	97,300	449,500	476,500	
1960	1,814,300	2,720,600	900,000	153,200	131,500	1,210,700	86,700	366,000	431,500	
1961	1,830,000	2,731,700	929,400	168,000	115,700	1,066,600	76,900	390,300	411,700	
1962	1,981,400	2,876,000	1,008,500	175,000	104,200	1,160,800	77,800	437,300	474,400	
1963	2,072,300	2,579,400	1,101,900	184,000	108,400	1,323,800	77,200	448,100	534,700	
1964	2,170,400	2,724,070	1,185,700	199,600	100,800	1,190,000	73,080	482,400	632,200	
1965	2,266,400	2,736,750	1,237,500	200,300	92,900	994,000	70,820	430,100	710,000	
1966	2,162,600	2,636,440	1,212,900	186,500	92,800	1,033,800	67,200	447,600	751,200	
1967	2,123,000	2,554,510	1,145,700	173,800	84,600	920,000	58,310	412,800	828,900	
1968	2,285,900	2,756,300	1,428,100	186,800	79,200	973,700	64,910	490,300	876,000	
1969	2,471,100	2,742,430	1,546,000	175,800	76,900	1,027,900	66,900	509,900	905,400	
1970	2,361,700	2,785,210	1,471,200	163,800	65,800	928,900	55,800	489,200	851,700	
1971	2,549,300	3,088,480	1,795,200	157,200	52,900	782,600	51,800	560,000	847,000	
1972	2,661,100	3,162,820	2,066,200	155,700	39,700	708,300	42,880	719,660	936,100	
1973	2,481,400	3,080,440	1,719,500	146,700	43,100	678,000	41,560	610,000	925,700	
1974	1,950,100	2,568,650	1,476,300	122,600	88,900	488,400	37,570	371,610	738,900	
1975	1,618,400	2,645,110	1,185,800	88,100	38,800	332,000	33,430	401,600	671,800	
1976	1,823,500	3,112,130	1,554,400	112,600	26,200	306,400	24,000	499,430	707,200	
1977	1,745,500	3,070,221	1,508,100	113,100	N/A	193,313	23,400	475,330	735,800	722,300
1978	1,794,200	2,921,052	1,636,100	125,900	N/A	174,900	18,070	513,900	757,000	910,000
1979	1,798,600	2,887,275	1,862,600	221,300	N/A	192,700	15,560	349,930	768,000	1,310,000
1980	1,538,500	2,818,263	1,445,700	293,300	N/A	221,933	12,240	284,690	682,200	1,235,000
1981	1,495,700	2,785,207	1,416,700	161,600	N/A	133,034	10,552	242,831	639,000	1,526,700
1982	1,367,500	3,040,947	1,155,600	147,600	N/A	181,740R	18,746	132,640	584,200	1,765,960
1983	1,572,700	3,172,067	1,661,800	147,700	N/A	202,822	18,775	168,310	672,000	2,147,885
1984	1,732,100	3,502,053	1,849,200	179,870	N/A	255,842	20,825	179,310	753,600	2,637,190
1985	1,813,700R	3,528,931	1,822,295	192,455	N/A	282,969	22,085	206,430	833,500	3,100,000
1986	1,939,930	3,728,779	2,104,805	196,022	N/A	281,411	21,874	196,930	934,300	2,710,300

N/A - Not Available
R - Revised

LP-Gas and city gas combined.
***Includes combination washer-dryers in 1956 only.*

Source: Gas Appliance Manufacturers Association

LP-GAS FROM SOURCE TO CONSUMER



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